

9. WATER MAIN DISINFECTION



9.1. CHLORINATION

$$\text{Lbs of Chlorine} = \left(\frac{\text{Volume of Water}}{\text{Mg Water}} \right) \times 8.34 \frac{\text{Lbs}}{\text{Gal}} \times \left[\left(\frac{\text{ppm desired}}{\frac{\% \text{ of Chlorine}}{100}} \right) \right]$$

$$\text{Volume: M Gallons} = \frac{\pi D^2}{4} \times \text{Length} \times 7.48 \frac{\text{Gal.}}{\text{Ft}^3}$$

1,000,000

$$\text{HTH} = 65\% \text{ Cl}_2 ,$$

$$\text{Lbs of Chlorine} = \text{PPM} \times \text{Length (Ft)} \times D^2 \text{ (Ft)} \times \left(\frac{\pi 7.48 \times 8.34}{4 \times .65 \times 1,000,000} \right) \text{ Lbs}$$

@ 50 PPM,

$$\text{Lbs of Chlorine} = \text{Length (Ft)} \times [\text{Diameter (Ft)}]^2 \times .003769 \text{ Lbs}$$

10. RIGHT-OF-WAY



10.1. POLICY

All right-of-way dedications to the Waterworks must be a minimum of fifteen feet (15') centered on the water main. (Adopted: 4-10-1984)

10.2. DEFINITIONS

Easement: An interest in land owned by another that entitles its holder to a specific limited use or enjoyment.

Servitude: A right by which something (as a piece of land) owned by one person is subject to a specified use or enjoyment by another.

Right-of-way: A legal right of passage over another person's ground. The strip of land over which is built a public road. The land used by a public utility (as for a transmission line).

10.3. RIGHT-OF-WAY FORM



RIGHT OF WAY IN FAVOR OF	*	UNITED STATES OF AMERICA
THE ST. CHARLES PARISH	*	STATE OF LOUISIANA
DEPARTMENT OF WATERWORKS	*	PARISH OF ST. CHARLES

BE IT KNOWN, that the _____ appearing herein through its President _____; hereinafter referred to as "OWNERS";

AND:

ST. CHARLES PARISH, a political subdivision the State of Louisiana through its Department of Waterworks, a duly created Department in accordance with the St. Charles Parish Home Rule charter, herein represented by Chris A. Tregre, Parish President, 15045 River Road, P.O. Box 302, Hahnville, Louisiana 70057, hereinafter referred to as "WATERWORKS";

WITNESSETH THAT THE "OWNERS" DO DECLARE that it is hereby granted unto the "WATERWORKS", its successors and assigns, a servitude fifteen feet (15') wide and running along the property as described below. The servitude has for its exclusive purpose the right of the "WATERWORKS" to maintain, inspect, operate, repair, remove or relay the water main and to do whatever else is necessary to maintain the water system in operating condition.

The "WATERWORKS" holds "OWNERS" free and harmless from any and all claims for damages, injury or death, and any liabilities, costs or expenses arising out of or attributable to the exercise of the rights herein granted. The provisions of this paragraph shall not apply to any such liabilities or damages caused by the sole negligence of the "OWNERS".

The "OWNERS" do hereby grant to the "WATERWORKS" and subrogate said "WATERWORKS" to the right of the fifteen foot (15') easement described as follows:

The above described property is the required fifteen foot (15') servitude and it being for the exclusive use of the "WATERWORKS" as set forth herein.

TO HAVE AND TO HOLD said easements, rights, and rights of way unto the said "WATERWORKS", its successors and assigns until said easement be exercised, and so long thereafter as the same shall be useful for the above named purposes.

THIS DONE AND PASSED in the town of _____, Louisiana, on the _____ day of _____, 1998 in the presence of _____ and _____, competent witnesses, who hereunto sign their names with said appears and me, Notary, after due reading of the whole.

WITNESSES:

BY: _____

ST. CHARLES PARISH
DEPARTMENT OF WATERWORKS

BY: _____

Chris A. Tregre
Parish President
St. Charles Parish

STATE OF LOUISIANA

PARISH OF ST. CHARLES

Before me, personally came and appeared:

who, after being duly sworn, deposed and said that (he)(she) witnessed the above signature and that said signature above is true and genuine and was signed in the presence of the witness whose name is affixed thereto.

WITNESS:

Done and signed before me, this _____ day of _____, 1998,

Notary Public

